

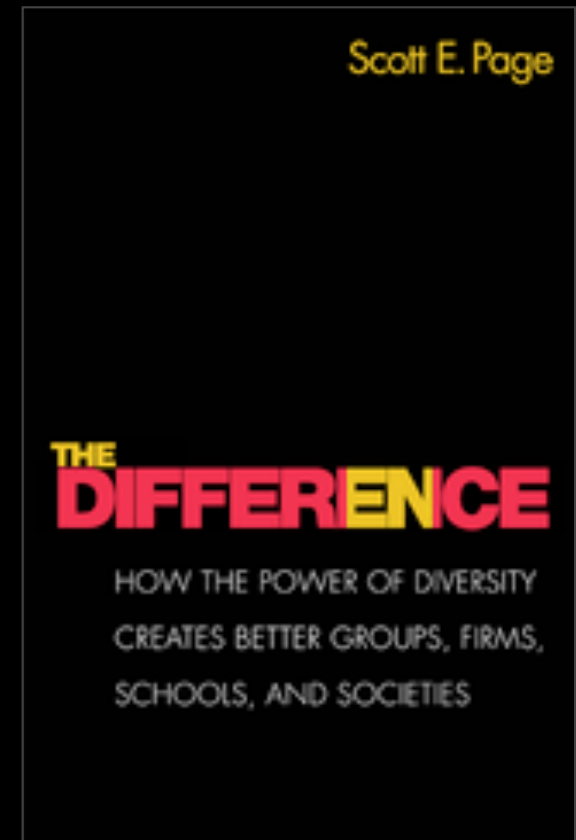
Seeds of Progress

Christopher J. Scolese
NASA Associate Administrator
October 22, 2009

Diversity Makes Us Smarter

“We possess incredible capacity to think differently. These differences can provide the seeds of innovation, progress, and understanding.”

- Scott Page,
The Difference



NASA Yesterday and Today

Year	Women in NASA workforce	% of total NASA workforce
1969	5,541	17.5%
1988	6,015	27.4%
2009	6,160	32.8%

Diversity in Space Flight: Then and Now



Supporting Diversity through Our Missions



A Pioneer in the Field

- ✓ Comet C/1786 P1 (Herschel)
- ✓ Comet 35P/Herschel-Rigollet
- ✓ Comet C/1790 A1 (Herschel)
- ✓ Comet C/1790 H1 (Herschel)
- ✓ Comet C/1791 X1 (Herschel)
- ✓ Comet C/1793 S2 (Messier)
- ✓ Comet 2P/Encke
- ✓ Comet C/1797 P1 (Bouvard-Herschel)



Caroline Herschel

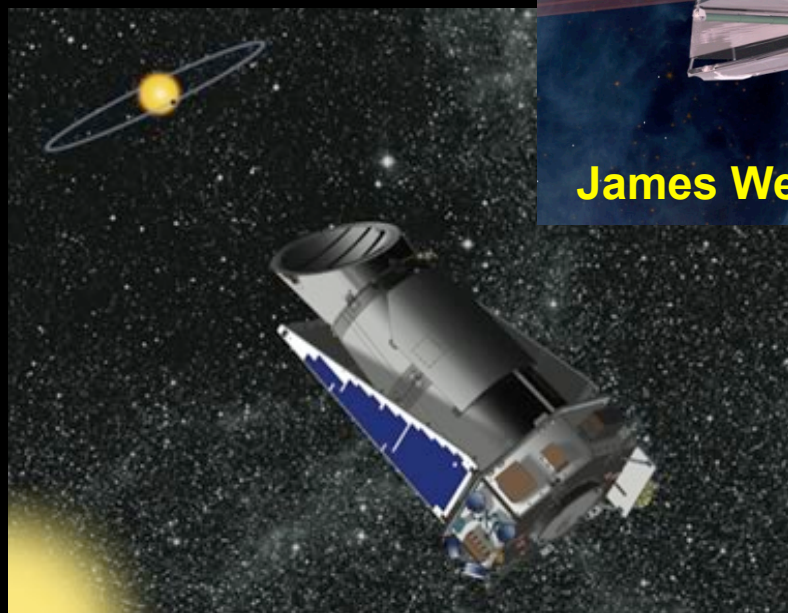
Extending Our Field of View



Hubble Space Telescope



James Webb Space Telescope



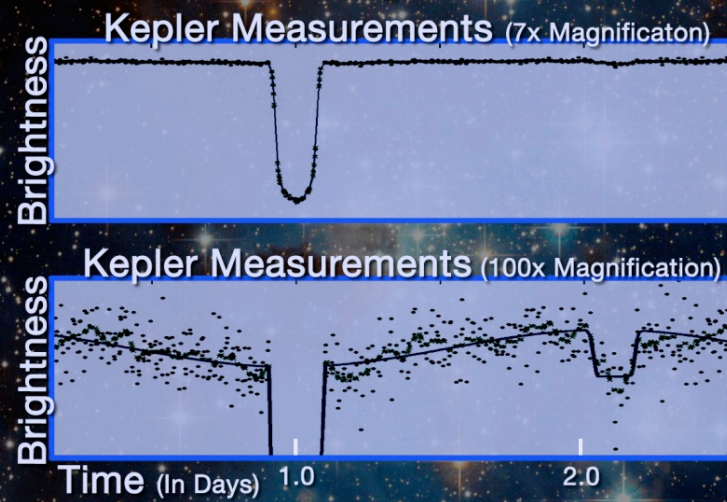
Kepler

Seeing the Sky with New Eyes

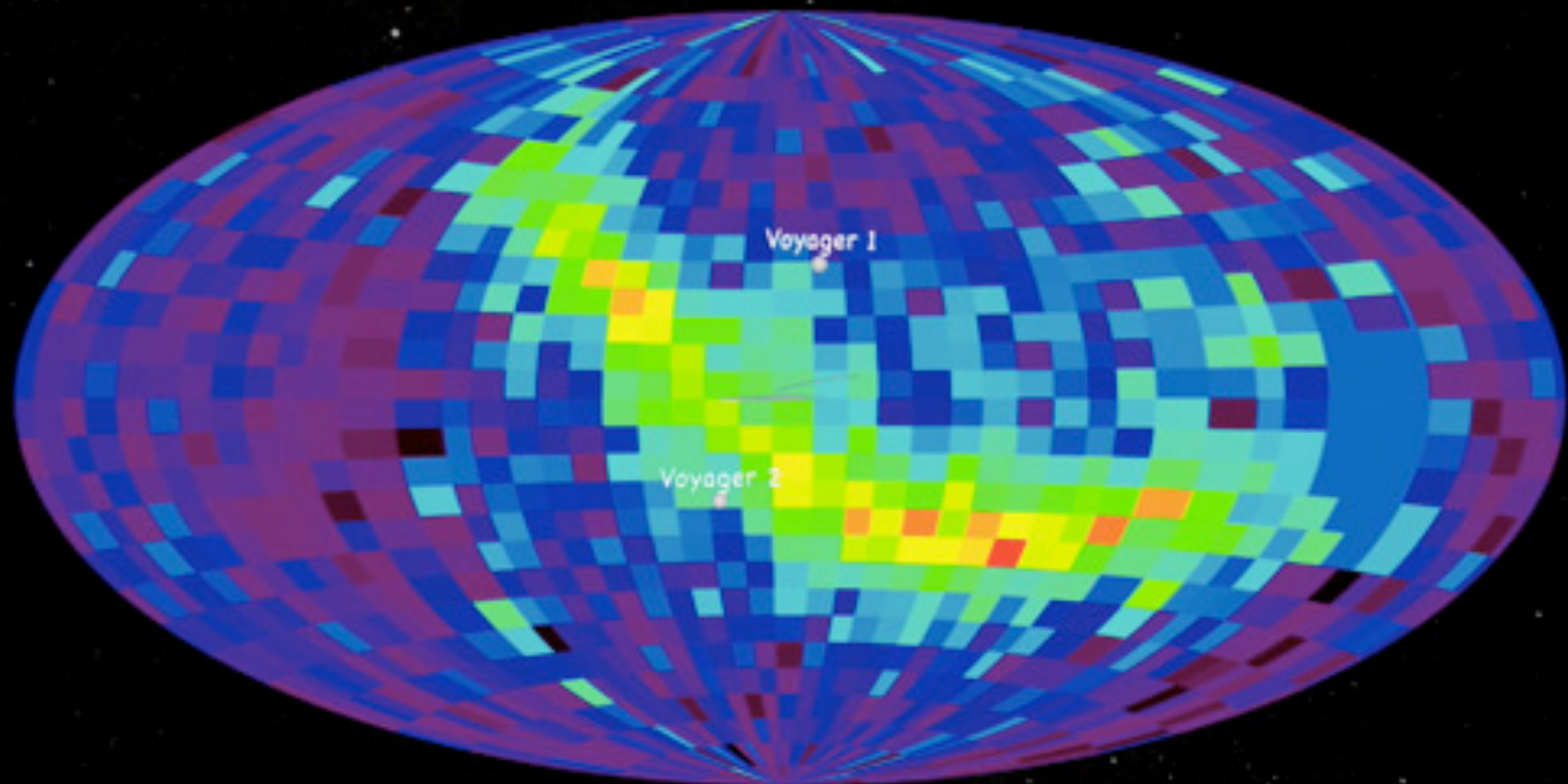


Kepler

HAT-P-7 Light Curves



IBEX



Computing Pioneer

Warship named for Navy woman

BATH, Maine. — The guided missile destroyer Hopper was christened at the Bath Iron Works Jan. 6, marking the second warship in Navy history to be named after a woman of its own ranks.

Mary Murray Westcote, the sister of Rear Adm. Grace Murray Hopper (1906-1992), served as the sponsor in the ceremony naming the ship.

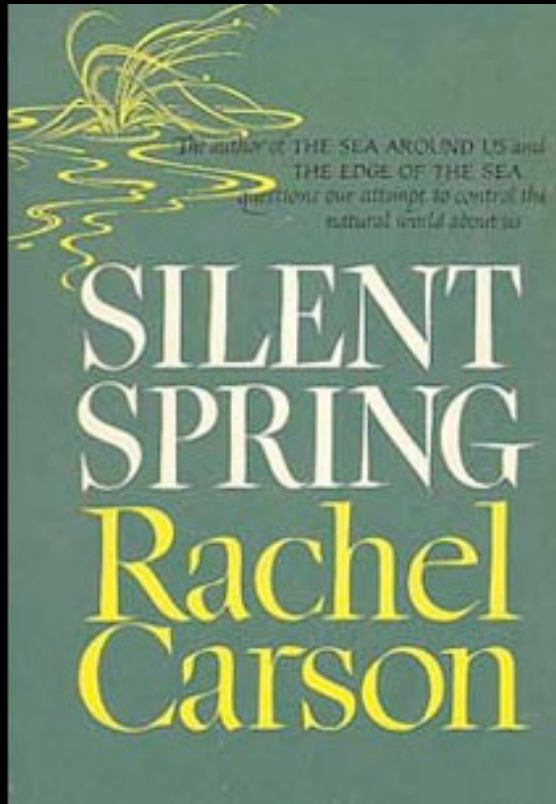
Hopper was remembered for her pioneering spirit in the area of computers, where she is said to have led the Navy. During her career she was known as the “Grand Lady of Software,” “Amazing Grace,” and “Grandma Cobol” after co-inventing COBOL (Common Business-Oriented Language).

The Hopper is the 20th of 32 Arleigh Burke class ships authorized by Congress to be built for the Navy.

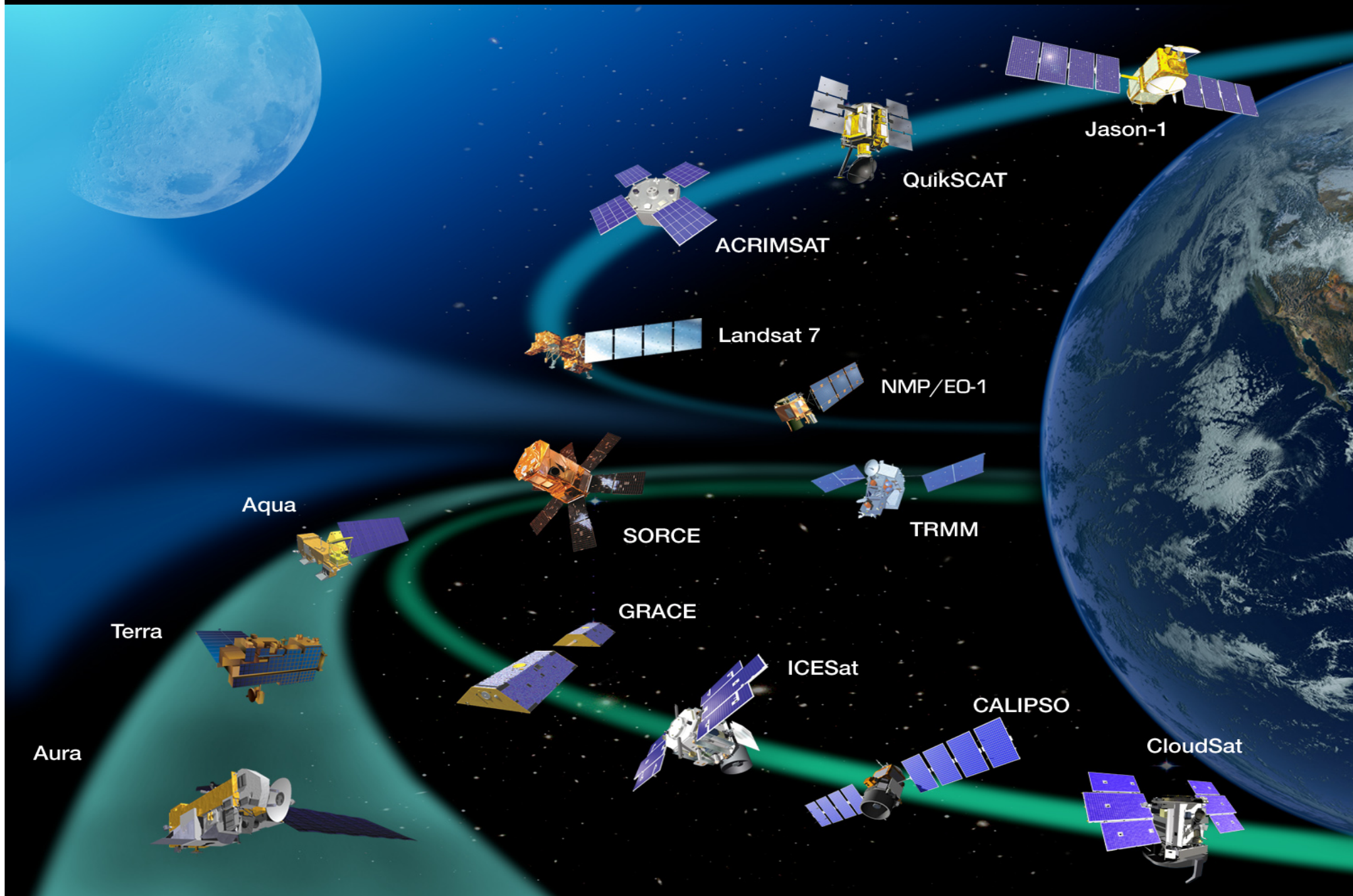


Rear Admiral Grace Hopper

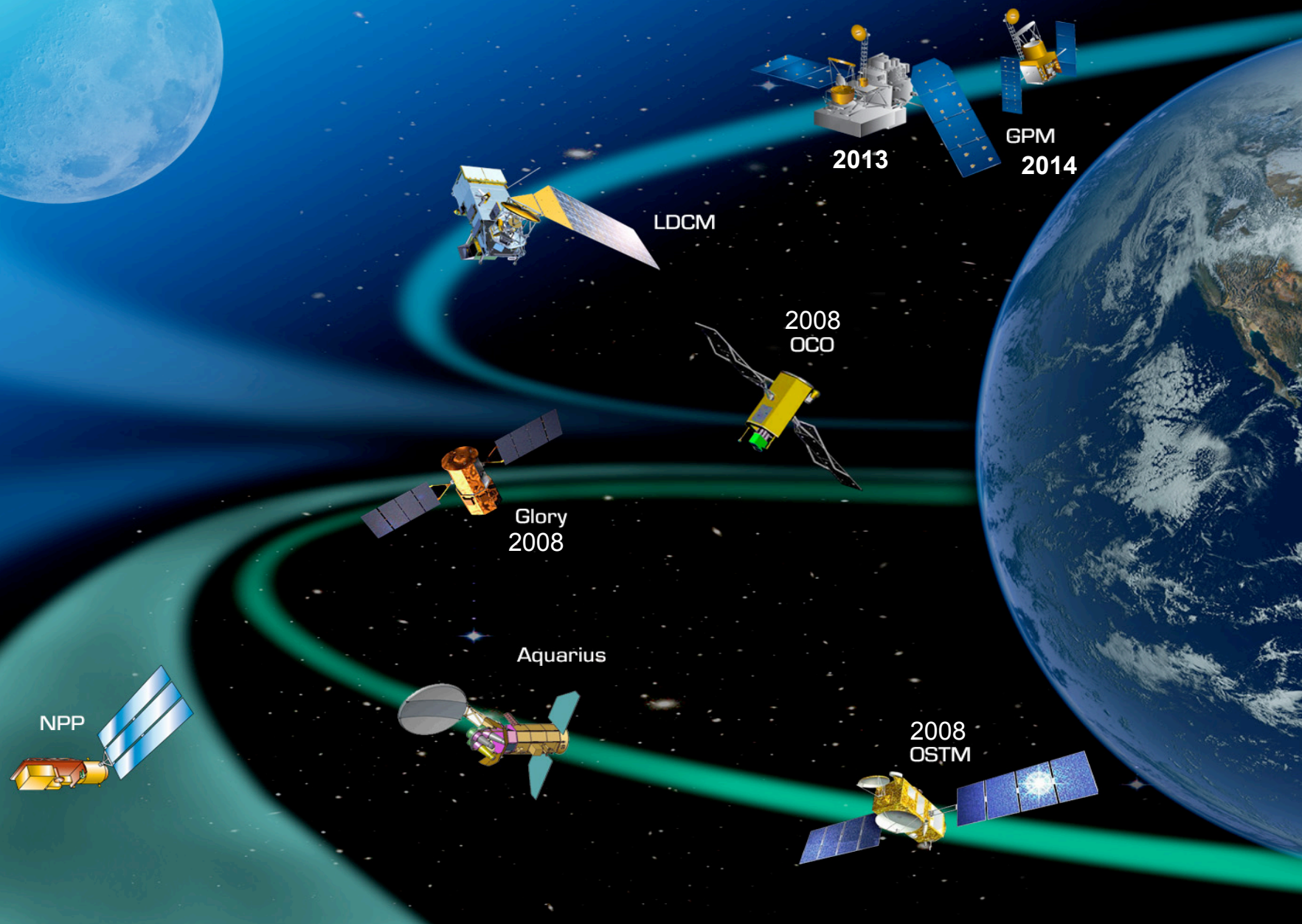
A New Awareness of Earth



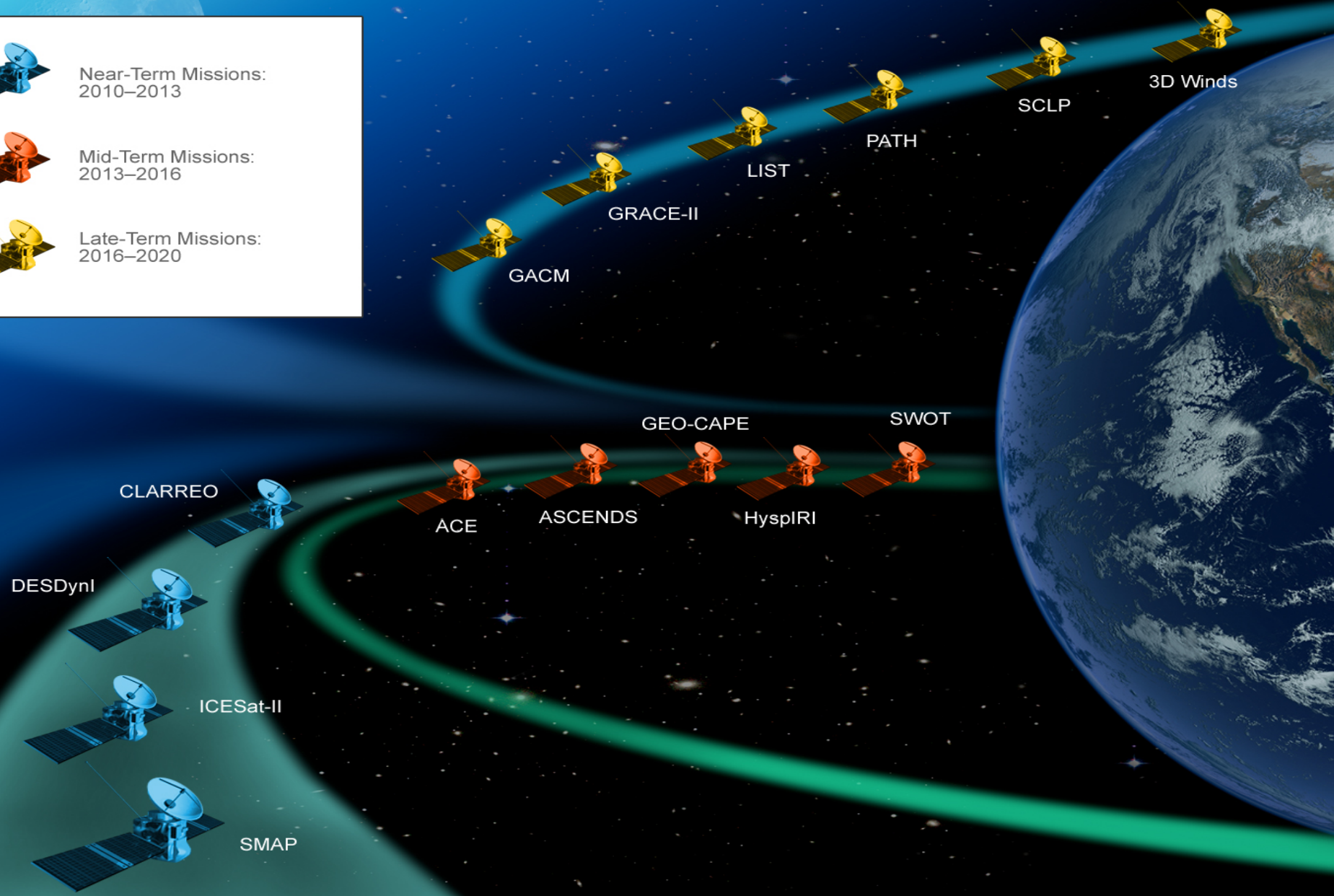
NASA On-Orbit (EOS) Missions



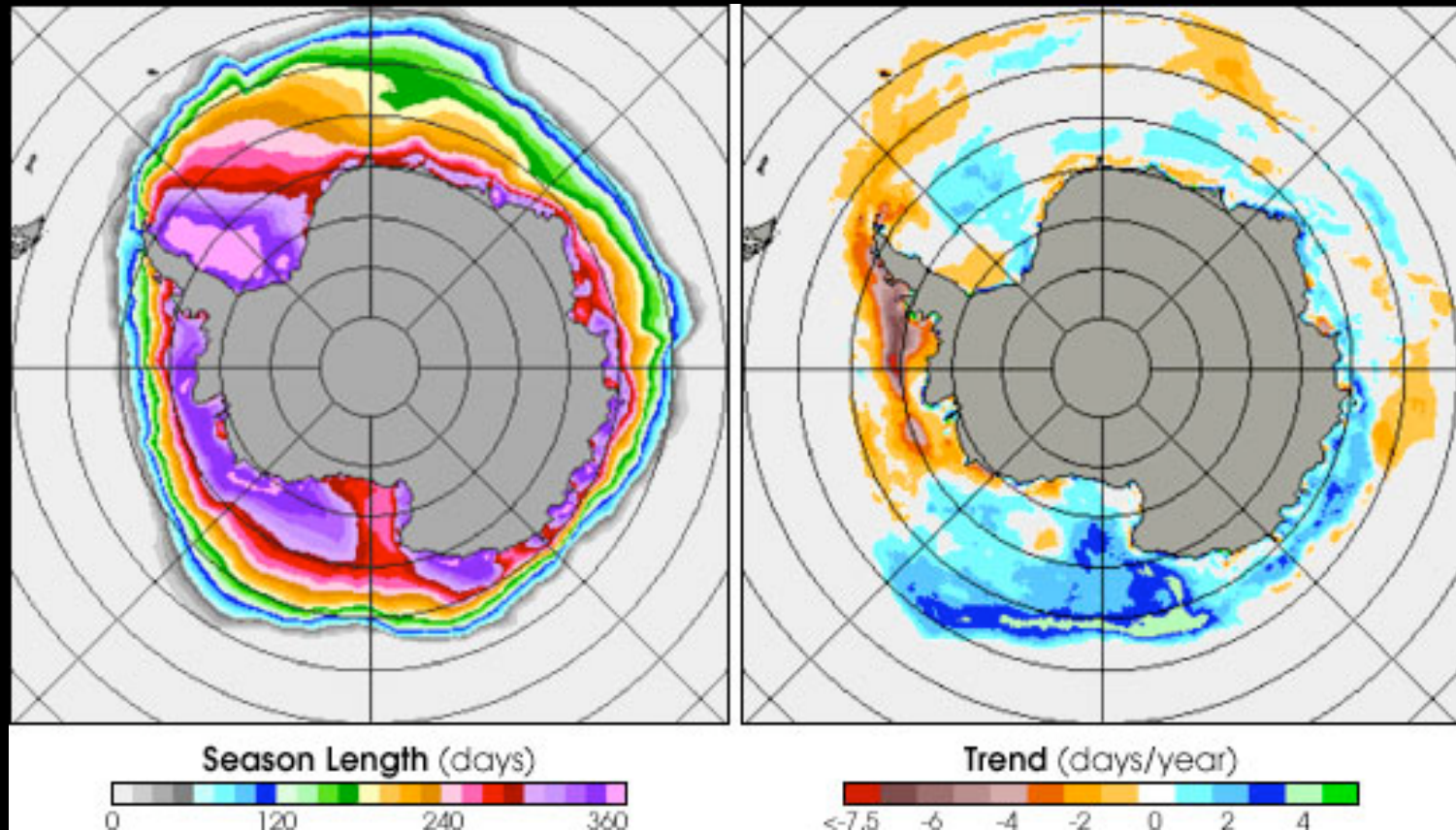
Missions in Formulation 2008-2014



Decadal Survey Missions - Next Generation



Changes in Sea Ice



"When it comes to astronomy, you never come to the end of anything. You have to reach out farther and farther into the universe."

– Dorritt Hoffleit

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Disappearing Sea Ice

